PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

1	Applicant's or agent's file reference	FOR FURTHER	00	see Form PCT/ISA/220
	FPAA667PCT	ACTION		as, where applicable, item 5 below.
أ	International application No.	International filing date (day/month	vyear)	(Earliest) Priority Date (day/month/year)
	PCT/IN2005/000127	25/04/2005		01/07/2004
1	Applicant			
Ŀ	ALEMBIC LIMITED			
	This International Search Report has beer according to Article 18. A copy is being tra	n prepared by this International Seamensmitted to the International Bureau	ching Auth	nority and is transmitted to the applicant
	This International Search Report consists	of a total of 5 she	ets.	
	•	a copy of each prior art document c		report.
	Basis of the report a. With regard to the language, the language in which it was filed, unlike the language.	international search was carried out ess otherwise indicated under this it	on the bas em.	sis of the international application in the
	The international this Authority (Rul		of a transk	ation of the international application furnished to
	b. With regard to any nucleo	otide and/or amino acid sequence	disclosed	in the international application, see Box No. I.
	2. Certain claims were four	nd unsearchable (See Box II).		
	3. Unity of invention is lack	king (see Box III).		
	4. With regard to the title ,	•		
	the text is approved as su	·		
	the text has been establis	shed by this Authority to read as follo)ws:	
	5. With regard to the abstract,			
	the text is approved as su		hie Authori	ty as it annears in Roy No. IV. The applicant
	the text has been establismay, within one month from	on the date of mailing of this interna	itional sear	ity as it appears in Box No. IV. The applicant report, submit comments to this Authority.
	6. With regard to the drawings,			
	a. the figure of the drawings to be p	published with the abstract is Figure	No	
	as suggested by		-110 11	nearl a figure
	<u></u>	is Authority, because the applicant f		
		is Authority, because this figure bett be published with the abstract.	w wididUli	ones die inveltieri.
-	L or the lightes is to t			

International Application No
PCT/IN2005/000127

A. CLASSIFICATION OF SUBJECT MATTER C07D277/82

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) C070

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 886 812 A (GRISS, DECEASED ET AL) 12 December 1989 (1989-12-12) cited in the application examples 2,7	1-32
A	SCHNEIDER C S ET AL: "Dopamine autoreceptor agonists: resolution and pharmacological activity of 2,6-diaminotetrahydrobenzothiazole and aminothiazole analogue of apomorphine" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 30, no. 3, March 1987 (1987-03), pages 494-498, XP002186199 ISSN: 0022-2623 cited in the application page 497, column 2	1-32

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means P document published prior to the international filing date but later than the priority date claimed	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
Date of the actual completion of the international search 18 November 2005	Date of mailing of the international search report 29/11/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Kollmannsberger, M

2

International application 1588564

PCT/IN2005/000127

Box No. IV Text of the abstract (Continuation of Item 5 of the first start) 1 Rec'd PCT/PTO U4 AUG 2006

Improved process for the preparation of the intermediate compound of formula II for formation of pramipexole of formula (I) as well as the biological active tetrahydrobenzothiazole compound of formula (I) and/or its pharmaceutically acceptable salts or solvates.

Form PCT/ISA/210 (continuation of first sheet (3)) (January 2004)

PCT/IN2005/000127

DHARMARAJ, RA	, a foriewein, K	AU	1-32	
NARAYANRAO;)	97 A (CIPLA LTD; R AMACHANDRA; KANKAN 21 May 2004 (2004	, RAJENDRA, -05-21)		
page 2				
			,	
•				
	-			
			٠.	

Information on patent family members

International Application No
PCT/IN2005/000127

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4886812	A	12-12-1989	AU	583874 B2	11-05-1989
			AU	5154485 A	17-07-1986
			BG	62023 B2	30-12-1998
•			CA	1263653 A1	05-12-1989
			CS	9104099 A3	16-09-1992
			DK	590285 A	23-06-1986
			EP	0186087 A1	02-07-1986
			ES	8702787 A1	01-04-1987
			ES	8707513 A1	16-10-1987
			ES	8707514 A1	16-10-1987
			ES	8707515 A1	16-10-1987
			FΙ	855102 A	23-06-1986
			GR	853126 A1	22-04-1986
			HK	78692 A	23-10-1992
			HU	39736 A2	29-10-1986
			ΙE	58863 B1	17-11-1993
			ΙL	77415 A	19-03-1990
			KR	9309791 B1	11-10-1993
			LU	90208 A9	06-04-1998
			MX	9202792 A1	30-06-1992
			NL	980002 I1	02-03-1998
			NO	855195 A	23-06-1986
			NZ	214661 A	26-04-1990
•			PH	24533 A	03-08-1990
			PT	81735 A	01-01-1986
			SG	82492 G	04-12-1992
			US	4843086 A	27-06-1989
			US	4731374 A	15-03-1988
WO 2004041797	Α	21-05-2004	AU	2003278396 A1	07-06-2004
			BR	0315919 A	20-09-2005
		•	CA	2505179 A1	21-05-2004
•			EP	1562921 A1	17-08-2005
		•	GB	2394951 A	12-05-2004

Interns Application No PCT/GB 03/04734

			PCT/GB 03/	04734
A. CLASSIF IPC 7	CATION OF SUBJECT MATTER C07D277/82			
	International Patent Classification (IPC) or to both national classification	ition and IPC		
B. FIELDS S Minimum doo IPC 7	SEARCHED cumentation searched (classification system followed by classification CO7D	on symbols)		
Dogumentati	on searched other than minimum documentation to the extent that s	uch documents are incl	uded in the fields sea	rched
	ata base consulted during the international search (name of data baternal, WPI Data, CHEM ABS Data, BEI		l, search terms used)	
·				
	ENTS CONSIDERED TO BE RELEVANT	lauant ac		Relevant to claim No.
Category *	Citation of document, with indication, where appropriate, of the re	evani passages		ricievatu to dalin No.
Υ	EP 0 186 087 A (DR. KARL THOMAE GMBH) 2 July 1986 (1986-07-02) cited in the application the whole document, particularly page 5478, right-hand column, first paragraph			1–19
Υ	ALLINGER J ET AL: "The conformers of 2-bromocyclohexanone" TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 2, 1958, pages 64-74, XP002253277 ISSN: 0040-4020 the whole document, particularly paragraph bridging pages 71 and 72			1–19
		-/		•
X Furt	her documents are listed in the continuation of box C.	X Patent fami	y members are listed	in annex.
"A" docum consi "E" earler , filing , "L" docum which citatic "O" docum other "P" docum later !	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority ctaim(s) or is cited to establish the publication date of another on or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means enter the priority date ctaimed exact a completion of the international filling date but than the priority date ctaimed exact actual completion of the international search	or priority date a cited to underst invention "X" document of part cannot be consinvolve an invertion "Y" document of part cannot be cons document is coments, such coin the art. "&" document memb	 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled 	
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized office		

Form PCT/ISA/210 (second sheet) (July 1992)

Interna Application No
PCT/GB 03/04734

		PCT/GB ()3/04/34
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Υ	ALLINGER N L ET AL: "Conformational analysis. II. The 2-bromo-4-t-butylcyclohexanones" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 80, no. 20, 20 October 1958 (1958-10-20), pages 5476-5480, XP002253278 ISSN: 0002-7863 the whole document, particularly page 5478, right-hand column, first paragraph		1-19
	·		
		•	
		•	
	·.		·
	•		
,	10 (continuation of second sheet) (July 1992)		

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

Information on patent family members

Internal Application No
PCT/GB 03/04734

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 186087 A	02-07-1986	DE	3447075 A1	03-07-1986
2, 2000,		DE	3508947 A1	18-09-1986
		AT	45735 T	15-09-1989
		AU	583874 B2	11-05-1989
		AU	5154485 A	17-07-1986
		BG	62023 B2	30-12-1998
		BR	1100678 A3	13-10-1999
		CA	1263653 A1	05-12-1989
		CS	9104099 A3	16-09-1992
		DD	242230 A5	21-01-1987
		DE	3572485 D1	28-09-1989
		DK	590285 A	23-06-1986
		EP	0186087 A1	02-07-1986
		ES	8702787 A1	01-04-1987
		ES	8707513 A1	16-10-1987
		ES	8707514 A1	16-10-1987
		ES	8707515 A1	16-10-1987
		FI	855102 A ,B,	23-06-1986
		GR	853126 A1	22 - 04-1986
		HK	78692 A	23-10-1992
		HU	39736 A2	29-10-1986
		ΙE	58863 B1	17-11-1993
		ĪL	77415 A	19-03-1990
		JP	1854941 C	07-07-1994
		JP	5072907 B	13-10-1993
		JP	61155377 A	15-07-1986
		KR	9309791 B1	11-10-1993
		LU	90208 A9	06-04-1998
		MX	9202792 A1	30-06-1992
		NO	855195 A ,B,	23-06-1986
		NZ	214661 A	26-04-1990
		PH	24533 A	03-08-1990
	•	PT	81735 A ,B	01-01-1986
-		SG	82492 G	04-12-1992
	•	ÜS	4843086 A	27-06-1989
		ÜS	4886812 A	12-12-1989
		ÜS	4731374 A	15-03-1988
		ZA	8509731 A	26-08-1987